

The reform path of innovation and entrepreneurship education in higher vocational colleges based on school-enterprise cooperation under the perspective of "Double-high Plan"

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Abstract

With the implementation of the "double-high plan", higher vocational colleges have encountered new challenges and opportunities in the reform of innovation and entrepreneurship education. This paper examines how higher vocational colleges use school-enterprise cooperation to promote the reform of innovation and entrepreneurship education. First, the background and significance of the plan and the roles and responsibilities of higher vocational colleges are summarised. Secondly, the importance of school-enterprise cooperation in innovation and entrepreneurship education, such as resource sharing, practice opportunities and employment security. Then, the reform path based on school-enterprise cooperation, providing for the establishment of cooperation platform, strengthening the teaching staff, optimizing the curriculum and evaluation system. Finally, the significance and impact of these measures are summarized, and future research directions are considered. The research results have important reference value for higher vocational colleges to promote innovation and entrepreneurship education reform under the background of "double high plan".

Keywords

double-high school plan, higher vocational colleges, school-enterprise cooperation, innovation and entrepreneurship education, reform path.

1. Introduction

1.1. Development status of aging society in China

The "Twofold High Program" alludes to a significant methodology executed by the Service of Instruction of China to advance the great improvement of higher professional schooling. The arrangement plans to zero in on the development of various higher professional schools and expert gatherings that lead the change and backing the turn of events, and understand the nearby association between professional training and monetary society by further developing the school-running level and ability preparing nature of professional universities.

According to the viewpoint of "Twofold High Arrangement," the change way of advancement and business training in higher professional universities in light of school-endeavor participation is especially weighty. The school-undertaking participation model can not just furnish understudies with valuable open doors for reasonable activity, yet in addition permit them to straightforwardly contact the state of the art innovation and market interest of the

business, consequently animating their imaginative reasoning and pioneering mindfulness. Simultaneously, ventures can likewise criticism their specialized requirements and market direction to schools by partaking in the showing system, to advance the restoration of showing content and the improvement of educating techniques. This intuitive collaboration model assists with building a more open, adaptable and effective training biological system, and develop all the more top notch specialized and gifted gifts with inspirational soul and useful capacity for the general public.

The significance of advancement and business venture training in higher professional schools is to develop understudies ' development and business venture capacity and work seriousness, to address the issues of society for excellent progress and business venture gifts (Di Lu & Jie Mei,2022). However, as of now, there are a few issues in development and business instruction in higher professional universities, for example, obsolete training mode, outlandish specialty setting and lacking educators. Hence, it is of extraordinary importance to concentrate on the change way of advancement and business training in light of school-venture collaboration to work on the quality and impact of development and business schooling in higher professional universities.

According to the point of view of " Twofold High Arrangement, " the change way of advancement and business training in light of school-endeavor collaboration(Yang Fang,Xiong Lei,Li Songtao & Guo Chenfei, 2024)has wide application esteem. Most importantly, school-endeavor collaboration can give a functional stage, so understudies can contact genuine progress and business venture projects, and work on their advancement and business venture capacity through commonsense preparation and reasonable activity. Furthermore, school-undertaking participation can advance the nearby blend of educating and practice, so understudies can learn hypothetical information practically speaking and work on the real impact of learning. Furthermore, school-undertaking collaboration can likewise give understudies innovative assets and support to further enhance the achievement pace of understudies ' business. Subsequently, the change way of advancement and business training in light of school-venture collaboration(Wang Yiyu, 2023)has significant application esteem in advance and business instruction in higher professional universities.

2. The application value of the reform path of innovation and entrepreneurship education based on school-enterprise cooperation from the perspective of " double high plan. "

The application worth of the change way of advancement and business training in view of school-venture collaboration in the viewpoint of " twofold high arrangement " is principally reflected in the accompanying perspectives :

(1) Provide down to earth open doors : school-endeavor collaboration can furnish understudies with genuine advancement and business practice potential open doors, so they can admittance to the actual innovative undertakings and business activity mode. Through collaboration with endeavors, understudies can partake in constructive development and business venture tasks, and exercise viable capacity and cooperation capacity. (Hui Li,Shoukat Iqbal Khattak & Muhammed Asif Shamim, 2024)

(2) Work on proficient quality : through school-venture collaboration, understudies can

admittance to proficient information and abilities in the business, comprehend market interest and industry elements. Correspondence and participation with big business experts can assist understudies with understanding the development pattern of the business and work on their expert quality and intensity(Jian ZENG, 2022).

(3) Entrepreneurial asset support : school-venture collaboration can furnish understudies with enterprising assets and backing, for example, project reserves, site offices, coach direction, and so on. These assets and support can incredibly lessen the gamble and cost of understudy business venture and further develop the achievement pace of business venture(Li Chao Jing, 2024)

Through collaboration with ventures, understudies can profoundly figure out the ideas and strategies for development and business, and improve the mindfulness and capacity of advancement and business venture. School-endeavor collaboration can give understudies the direction and direction of advancement and business venture, and invigorate their creative potential and pioneering energy (Yuefeng Wu, 2023).

3. The theoretical basis of innovation and entrepreneurship education in higher vocational colleges under the perspective of "double-high Plan"

The " Twofold High Arrangement " alludes to the " Activity Plan for Ability Development and Advancement in Higher Professional Schooling " proposed by the Chinese government. The arrangement plans to advance the change and advancement of higher professional schooling, (Bingfeng Liang, 2023) further develop the work seriousness and advancement and business venture capacity of higher professional school graduates, in order to address the issues of social and financial improvement for excellent specialized and gifted abilities.

3.1. Background and objectives of the "Double High Plan"

With the speedy improvement of China 's economy and the change and redesigning of modern design, the interest for top notch specialized and gifted abilities is expanding. In any case, the customary innovative education model is frequently excessively hypothetical and withdrawn from the real work needs. (Mian Lin, 2024) In this way, to further develop the work seriousness and advancement and business venture capacity of higher professional school graduates, the public authority set forward the " twofold high arrangement "(Wen Chujiang & Zhang Tianfeng, 2022).

Objective: The fundamental objective is to further improve the work seriousness and advancement and business venture capacity of higher professional school graduates through change and development and to advance the association between higher professional training and modern interest. Explicit targets include:

(1) prove employ ability: develop great specialized and talented staff to address the issues of present day ventures and further develop the work intensity of higher professional school graduates.

(2) Improve the development and business venture capacity: Through the advancement and business schooling, the understudies development cognizance, advancement capacity, and pioneering soul will be developed to establish a solid starting point for their future business venture street.

(3) Strengthen school-endeavor participation: lay out and further strengthen the collaboration component between higher professional universities and ventures, further develop understudies viable capacity and expert quality, and increment their connection and participation amazing open doors with undertakings.

(4) Promote training change: change the education mode and showing techniques for higher professional universities, work on the quality and impact of instruction, and address the issues of social and monetary turn of events.

Through the execution of the "twofold high arrangement," it can advance the powerful association between professional training and industry interest, further develop the work quality and pioneering achievement pace of professional school graduates, and give solid ability backing to the practical improvement of China's economy.

3.2. The connotation and characteristics of innovation and entrepreneurship education in higher vocational colleges

Advancement and business venture schooling in higher professional universities alludes to the instructive exercises and educational plan framework that give understudies imaginative and ability to enterprising preparation in the field of higher professional training. With the speedy improvement of social economy and the change and overhauling of modern design, advancement and business venture have turned into a significant main impetus for financial turn of events and work. Thusly, the significance of development and business venture schooling in higher professional universities has become progressively noticeable.

The objective of development and business venture schooling in higher professional universities (Shanshan Wang, 2024) is to develop understudies ' imaginative cognizance, creative capacity and pioneering soul, so they can adjust to showcase interest and advancement driven financial turn of events. To accomplish this objective, development and business education in higher professional universities has taken on various instructive strategies and educational program (Xiaohui Wang & Jing Li, 2023).

As a matter of some importance, development and business venture schooling in higher professional universities focuses on the blend of hypothesis and practice. By setting up creative and pioneering practice courses and undertakings, understudies can gain proficiency with the hypothetical information and abilities of progress and business by and by. Simultaneously, by partaking in advance and business undertakings or temporary positions, (Yanwei Xu,2024) understudies can encounter the course of advancement and business venture and develop the capacity to tackle useful issues and imaginative reasoning.

Moreover, development and business venture training in higher professional universities additionally centers around developing understudies ' advertising and business activity capacity. (Mingyang Yuan,Yuxin Li & Song Chen,2024)Development and business should be really related to the market. Thusly, advancement and business venture training in higher professional schools develops understudies ' market examination capacity, item plan capacity and business activity capacity by offering showcasing and business the board courses, so they can all the more likely comprehend market interest and activity the executives during the time spent development and business venture.

3.3. The role and significance of school-enterprise cooperation in innovation and entrepreneurship education

School-venture collaboration assumes a significant part in development and business training. Coming up next is the job and meaning of school-endeavor participation in a few parts of progress and business venture training.

School-venture collaboration, most importantly, can give understudies viable open doors. Through collaboration with ventures, understudies can take part in genuine business undertakings and development and business practices, and experience the course of development and business venture. Such down to earth open doors can assist understudies with applying hypothetical information to useful diagnostic thinking, and develop the capacity to take care of issues and inventive reasoning. Also, school-venture participation can advance the mooring of progress and business instruction and modern interest (Wang Xu,2024). Collaboration with ventures can figure out the most recent patterns and needs of the business, and better handle market patterns and state of the art advances. Through school-venture participation, higher professional universities can change and enhance the substance and techniques for development and business training, make it more in accordance with modern necessities, and develop creative and pioneering abilities more reasonable for the market.

Simultaneously, corporate experts can go about as coaches for understudies, furnishing them with workable direction and industry experience sharing (Tingjie Ma & Jiuxia Wang,2023). Such direction and backing can assist students with better grasping industry necessities and commonsense abilities of advancement and business venture, and work on their capacity of development and business.

4. The fourth chapter The role and significance of school-enterprise cooperation in innovation and entrepreneurship education

4.1. Selection and construction of school-enterprise cooperation mode

While picking and building the school-undertaking participation mode, higher professional universities ought to pick the fitting mode as per their own qualities and assets, as well as the neighborhood modern interest and market climate, and lay out a long haul and stable helpful connection with endeavors. Simultaneously, the school likewise needs to form clear collaboration arrangements and rules, explain the expectations of the two players and the circulation of advantages, and guarantee the smooth advancement of school-undertaking participation.

The choice and development of school-undertaking participation mode is the most important phase in the change of advancement and business venture training in light of school-endeavor collaboration in higher professional universities, and it is likewise the way to decide the subsequent change way. Through collaboration with endeavors, schools can furnish understudies with additional pragmatic open doors and asset support, and develop advancement and business capacity and intensity. Simultaneously, school-undertaking collaboration likewise gives a more extensive stage to advancement and business and improvement valuable open doors.

4.2. Comparison of the choice of cooperation subject and cooperation mode

In the reform of innovation and entrepreneurship education based on school-enterprise cooperation in higher vocational colleges, the choice of cooperation subjects and the comparison of cooperation modes are very important. The following is a comparison of some common choices of partners and modes of cooperation.

4.2.1 Selection of accomplices

Endeavors : Collaboration with ventures can get down to earth industry experience and market asset support, which can more readily meet the commonsense necessities and work needs of understudies.

Pioneering group : working with enterprising groups can give inventive reasoning and innovative experience, and can all the more likely develop understudies ' creative innovative capacity and seriousness.

Government associations : Participation with government associations can get strategy backing and advancement and business venture assets, which can all the more probable advance the improvement of development and business venture schooling change.

4.2.2 Correlation of collaboration modes

Practice and work collaboration : it is reasonable for developing understudies ' viable capacity and business intensity, and is helpful for the profound participation and correspondence among understudies and endeavors.

Project collaboration : It is affordable for developing understudies ' advancement and business capacity and group participation capacity, which is helpful for understudies ' gaining and practice from the venture.

Educational plan collaboration : It is reasonable for coordinating development and business training into the educational program, which is helpful for understudies gaining development and business information and abilities from study hall instructing.

Business hatching and gas pedal : It is appropriate for developing understudies ' ability to pioneer and inventive innovative soul, which is helpful for understudies ' backing and direction from enterprising practice.

5. The fifth chapter is case analysis : the practice of innovation and entrepreneurship education reform based on school-enterprise cooperation

5.1 Case foundation

For this situation, a higher professional school in Jiangsu Region, a professional and specialized school in Jiangsu (hereinafter alluded to as " a school in Jiangsu "), was selected as the exploration object. A school in Jiangsu is a higher professional school with areas of strength for an innovation training foundation. Lately, it has accomplished exceptional outcomes in advancement and business schooling. Particularly in the part of school-endeavor collaboration, a school in Jiangsu gives understudies rich functional open doors and pioneering stages by laying out profound helpful relations with some notable ventures.

5.2 School-endeavor collaboration mode and system

5.2.1 Participation mode

A school in Jiangsu has taken on an assortment of school-venture participation models, including request preparing, co-development of preparing bases, cooperative improvement of courses, and foundation of big business grants. Among them, the most center is the ' school-undertaking double subject ' participation model. This model is reciprocally evolved by schools and undertakings. Endeavors give temporary job positions and undertaking assets, while schools are answerable for hypothetical educating and fundamental abilities preparing. This collaboration mode not just guarantees a meaningful level of matching between showing content and undertaking needs, yet in addition empowers understudies to rehearse in a genuine work space, in order to improve their development and business venture capacity.

5.2.2 Participation instruments

At the component level, a school in Jiangsu has set out a bunch of wonderful school-endeavor collaboration ensure framework. The school, most importantly, has set up a unique school-endeavor collaboration office, which is responsible for organizing and overseeing different participation undertakings. Also, the school has figured out clear participation arrangements and execution governs, and definite arrangements on the freedoms and commitments of the two players. Furthermore, the school likewise holds ordinary school-venture participation joint gatherings to examine the issues during the time spent collaboration with big business agents, and make ideal changes and upgrades.

5.3 Execution cycle and impact

5.3.1 Execution process

The school-endeavor collaboration of a school in Jiangsu has constantly evolved from the underlying straightforward venture participation to the ongoing by and large round profound joining. During the time spent execution, schools and undertakings have together fostered a progression of development and business courses, for example, ' Web + ' advancement and business preparing, web based business genuine battle, and so on. These courses are deeply incorporated with market interest, zeroing in on developing understudies ' reasonable activity capacity and creative reasoning. Simultaneously, the school likewise welcomes corporate specialists to act as part-time educators, and routinely holds courses and studios to assist understudies with understanding industry patterns and mechanical outskirts.

5.3.2 Viability assessment

Following quite a long while of training, the school-endeavor participation of a school in Jiangsu has completed wonderful outcomes. Most importantly, understudies ' advancement and business venture capacity has been incredibly gotten to the next level. As per measurements, more than 60 % of understudies taking part in school-endeavor collaboration projects have effectively applied for licenses or taken an interest in development and business venture projects during school. Besides, the business rate and work nature of graduates have likewise improved essentially. Many alumni straightforwardly entered the agreeable undertaking after graduation, and performed well, which was profoundly agitated by the venture. Likewise, the school 's notoriety has additionally been seen by varying backgrounds, drawing in additional top notch understudies to apply.

This case shows that the practice of innovation and entrepreneurship education reform based on school-enterprise cooperation has a positive effect on cultivating students' innovation and entrepreneurship ability and competitiveness. Through cooperation with enterprises, students can gain access to the real business environment, learn practical skills and industry experience, and lay a solid foundation for future innovation and entrepreneurship. At the same time, school-enterprise cooperation also provides more resources and support for schools, and encourages the development and reform of innovation and entrepreneurship education.

6. The Dilemma and Solution Strategy of Innovation and Entrepreneurship Education Reform Based on School-enterprise Cooperation

There, first of all, are contrasts in the mindfulness and comprehension of school-endeavor collaboration among schools and undertakings. Schools as a rule use school-venture participation as a showing mode, which is proposed to give down to earth open doors and develop understudies' creative and pioneering skill; while undertakings are more worried about laying out helpful relations with schools, getting gifts and specialized help. This distinction prompts an absence of familiarity with collaboration, and the different sides frequently can't arrive at an agreement on participation.

Schools and endeavors need normal participation objectives and interest requests. The objective of the school is to develop understudies with inventive and pioneering skill, give viable open doors and asset support; endeavors seek after the interests of mechanical advancement, market extension and ability save. Because of the absence of clear collaboration targets and interest requests, the changed sides frequently neglect to come to a successful participation model, and the consequences of participation are not agreeable.

Schools and endeavors need normal participation objectives and interest requests. The objective of the school is to develop understudies with inventive and pioneering skill, give viable open doors and asset support; endeavors seek after the interests of robotic development, market extension and ability save. Thanks to the absence of positive collaboration targets and interest requests, the different sides frequently neglect to arrive at a successful participation model, and the consequences of participation are not agreeable.

The way to resolve this issue is to reinforce correspondence and participation between the different sides. Schools and endeavors ought to fortify the consciousness of collaboration, upgrade common comprehension, and see each other's necessities and assumptions. The different sides can explain the goals and interests of participation and make a typical climate of collaboration through customary correspondence gatherings, arranging and assessment of participation projects. Laying out a long haul and stable collaboration component is likewise a significant method for tackling the issue of inadequate participation mindfulness. Schools and undertakings can consent to collaboration arrangements, explain the obligations and commitments of the two players, lay out a system for asset sharing, and guarantee the coherence and soundness of participation. Simultaneously, we ought to fortify educator preparing, bestow proficient direction and backing, assist teachers with better comprehension the necessities of endeavors, join instructing with training, and advance the top to bottom improvement of school-undertaking collaboration.

7. Conclusion

Being dependent on the viewpoint of " Twofold High Arrangement, " the change way of advancement and business training in light of school-venture participation in higher professional universities is of extraordinary importance. Through top to bottom collaboration with ventures, higher professional universities can all the more likely address the issues of society for top notch gifts, and develop understudies ' viable capacity and inventive and innovative soul. This paper advances explicit procedures for the change of development and business venture schooling from the parts of reinforcing collaboration awareness, adjusting asset assignment, advancing information change, further developing assessment framework, reinforcing instructor preparing, laying out long haul component and reinforcing social asset joining. The execution of these techniques will assist with upgrading the profundity and expansiveness of school-endeavor collaboration, work on the nature of school-venture participation projects and reasonable improvement abilities . Simultaneously, they likewise offer solid help for development and business training in higher professional schools, and establish a strong starting point for the development of understudies ' progress and business venture capacity.

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